YOUNG & THOMPSON

INTERNATIONAL PATENT LAW

745 SOUTH 23RD STREET

ARLINGTON, VIRGINIA 22202

PEREGRINO FERRIERA et al.

S.N. 09/759,281

FILED JANUARY 16, 2001

SEQUENCE LISTING

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SEQUENCE LISTING

GENERAL INFORMATION:

(i)

APPLICANT: PEREGRINO FERREIRA, Paulo;

GESSIEN KROON, Erna;

PIMENTA DOS REIS, Karlisson Jennner;

BIAS FORTES FERRAZ, Isabella;

CERQUEIRA LEITE, Romulo.

(ii)

TITLE OF INVENTION: Method and composition for the diagnosis of equine infectious anemia virus disease by using the recombinant capsid protein virus (p26)

(iii)

NUMBER OF SEQUENCES: 1

(iv)

CORRESPONDENCE ADDRESS:

(A)

ADDRESSEE: Universidade Federal de Minas Gerais - CTIT

(B)

STREET: Avenida Antônio Carlos, 6627 Bairro São Francisco

(C)

CITY: Belo Horizonte

(D)

STATE: Minas Gerais

(E)

COUNTRY: BRAZIL

(F)

ZIP: 31270-901

(v)

COMPUTER READABLE FORM:

(A)

MEDIUM TYPE: diskette – 3.50 inch, 1.44 Mb storage

(B)

COMPUTER: IBM compatible

(C)

5   OPERATING SYSTEM: Windows 98

(D)

SOFTWARE: Office premium

(vi)

CURRENT APPLICATION DATA:

10   (A)

APPLICATION NUMBER: U.S. 09/331.262

(B)

FILING DATE:

(C)

15   CLASSIFICATION: C12Q1/70

(vii)

PRIOR APPLICATION DATA

(A)

APPLICATION NUMBER: PI 9606273-8

20   (B)

FILING DATE: 18-DEC-1996

(2)

INFORMATION FOR SEQ ID N0:1:

(i)

25   SEQUENCE CHARACTERISTICS:

(A)

LENGHT: 252 amino acids

(B)

TYPE: amino acid

30   (D)

TOPOLOGY: linear

MEDIUM TYPE: diskette – 3.50 inch, 1.44 Mb storage

(B)

COMPUTER: IBM compatible

(C)

5 OPERATING SYSTEM: Windows 98

(D)

SOFTWARE: Office premium

(vi)

CURRENT APPLICATION DATA:

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(A)

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TYPE: amino acid

30 (D)

TOPOLOGY: linear

Ser Lys Ala Leu Lys Lys Leu Glu Lys Val Thr Val Gln Gly Ser
           20   25   30

Gln Lys Leu Thr Thr Gly Asn Cys Na Trp Ala Leu Ser Leu Val
           35   40   45

5   Asp Leu Phe His Asp Thr Asn Phe Val Lys Glu Lys Asp Trp Gln
           50   55   60

Leu Arg Asp Val Ile Pro Leu Leu Glu Asp Val Thr Gln Thr Val
           65   70   75

Ser Gly Gln Glu Arg Glu Ala Phe Glu Arg Thr Trp Trp Ala Ile
10   80   85   90

Ser Ala Val Lys Met Gly Leu Gln Ile Asn AsnVal Val Asp Gly
           95   100   105

Lys Ala Ser Phe Gln Leu Leu Arg Ala Lys Tyr Glu Lys Lys Thr
          110   115   120

15   Ala Asn Lys Lys Gln Ser Glu Pro Ser Glu Glu Tyr Pro Ile Met
          125   130   135

Ile Asp Gly Ala Gly Asn Arg Asn Phe Arg Pro Leu Thr Pro Arg
          140   145   150

Gly Tyr Thr Thr Trp Val AsnThr Ile Gln Thr Asn Gly Leu Leu
20   155   160   165

Asn Glu Ala Ser Gln Asn Leu Phe Gly Ile Leu Ser Val Asp Cys
          170   175   180

Thr Ser Glu Glu Met Asn Ala Phe Leu Asp Val Val Pro Gly Gln
          185   190   195

25   Ala Gly Gln Lys Gln Ile Leu Leu Asp Ala Ile Asp Lys Ile Ala
          200   205   210

Asp Asp Trp Asp Asn Arg His Pro Leu Pro Asn Ala Pro Leu Val
          215   220   225

Ala Pro Pro Gln Gly Pro Ile Pro Met Thr Ala Arg Phe Ile Arg
30   230   235   240

Gly Leu Gly Val Pro Arg Glu Arg Gln Met Glu Pro
          245   250

Asn Cys Val Val Gln Ser Phe Gly Val Ile Gly Gln Ala His Leu.
     260   265   270

Glu Leu Pro Arg Pro Asn Lys Arg Ile Arg Asn Gln. Ser Phe Asn
     275   280   285

5 Gln Tyr Asn Cys Ser Ile Asn. Asn Lys Thr Glu Leu Glu Thr Trp
     290   295   300

Lys Leu.Val Lys Thr Ser Gly Val Thr Pro Leu Pro. Ile Ser Ser
     305   310   315

Glu Ala Asn Thr Gly Leu
10   320